

# Notice of Allowability

Application No.

09/502,689

Examiner

Syed J Ali

Applicant(s)

KUMBALIMUTT ET AL.

Art Unit

2127

## -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the telephone interview conducted on October 26, 2004.
2. ☒ The allowed claim(s) is/are 1, 3, 5-11, 13-16, 19-24, 30-31, 37, and 48-49, renumbered as claims 1-24.
3. ☒ The drawings filed on 11 February 2000 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All    b) ☐ Some\*    c) ☐ None    of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

### Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

# Best Available Copy

  
MENG-AL T. AN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100

### EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Mr. David Lee (Reg. No. 38,222), on October 26, 2004.

3. **The application has been amended as follows:**

**Replace all claims as follows:**

1. A management model for managing at least resources and tasks in a computerized enterprise system, comprising:

a user interface;

a common information model object manager (CIMOM) exposing a first plurality of standard interfaces, said CIMOM in communication with said user interface through one of said first plurality of standard interfaces;

at least one provider decoupled from said user interface and communicating with said CIMOM via another of said first plurality of standard interfaces, said provider exposing a second standard interface to allow management of the enterprise system resources and tasks at the provider level;

wherein said second standard interface exposed by said provider includes command methods for getting and setting attribute values; and

wherein said at least one provider performs syntax and semantic checks on inputs received from a user via said user interface and passed via said CIMOM.

2. (Canceled)

3. The model of claim 1, wherein said user interface performs essentially no syntax and semantic checks of said inputs.

4. (Canceled)

5. The model of claim 1, wherein said command methods for getting and setting attribute values are exposed for only particular attributes of said system resources and tasks based on privileges contained in a user profile.

6. The model of claim 1, wherein said second standard interface exposed by said provider includes a command method for getting help strings.

7. A management model for managing at least resources and tasks in a computerized enterprise system, comprising:

a user interface;

a common information model object manager (CIMOM) exposing a first plurality of standard interfaces, said CIMOM in communication with said user interface through one of said first plurality of standard interfaces;

at least one provider decoupled from said user interface and communicating with said CIMOM via another of said first plurality of standard interfaces, said provider exposing a second standard interface to allow management of the enterprise system resources and tasks at the provider level;

an active directory (AD) containing system resource information, wherein system resource information includes at least one user profile;

wherein said second standard interface exposed by said provider includes a command method for getting help strings; and

wherein said command method for getting help strings are exposed based on an expertise level contained in a user profile.

8. The model of claim 1, further comprising an active directory (AD) containing system resource information.

9. The model of claim 8, wherein system resource information includes at least one user profile.

10. The model of claim 1, wherein said second standard interface exposed by said provider includes command methods for saving and restoring configuration data.

11. A management model for managing at least resources and tasks in a computerized enterprise system, comprising:

a user interface comprising a Web browser;

a common information model object manager (CIMOM) exposing a first plurality of standard interfaces, said CIMOM in communication with said user interface through one of said first plurality of standard interfaces;

at least one provider decoupled from said user interface and communicating with said CIMOM via another of said first plurality of standard interfaces, said provider exposing a second standard interface to allow management of the enterprise system resources and tasks at the provider level;

wherein said provider dynamically localizes a language of said user interface based on a sensed language preference of said Web browser.

12. (Canceled)

13. The model of claim 11, wherein said provider dynamically localizes a language of said user interface based on settings in a user profile.

14. The model of claim 1, wherein said user interface comprises a command line interface (CLI).

15. The model of claim 1, wherein said user interface comprises a Web browser.

16. A computer-readable medium having computer-executable components, comprising:

a user interface component for providing information to and receiving data and commands from a user;

a common information model object manager (CIMOM) component for exposing a first plurality of standard interfaces, said CIMOM component communicating with said user interface through one of said first plurality of standard interfaces;

at least one provider component for exposing a second standard interface to allow management of enterprise system resources and tasks at the provider level, said provider component communicating with said CIMOM via another of said first plurality of standard interfaces;

wherein said second standard interface exposed by said provider component includes command methods for getting and setting attribute values; and

wherein said at least one provider component performs syntax and semantic checks on inputs received from said user interface component via said CIMOM component.

17-18. (Canceled)

19. The computer-readable medium of claim 16, further comprising a database component for storing at least a user profile, and wherein command methods for getting and setting attribute values are exposed for only particular attributes of said system resources and tasks based on privileges contained in said user profile.

20. The computer-readable medium of claim 16, wherein said second standard interface exposed by said provider includes a command method for getting help strings.

21. A computer-readable medium having computer-executable components, comprising:

- a user interface component for providing information to and receiving data and commands from a user;

- a common information model object manager (CIMOM) component for exposing a first plurality of standard interfaces, said CIMOM component communicating with said user interface through one of said first plurality of standard interfaces;

- at least one provider component for exposing a second standard interface to allow management of enterprise system resources and tasks at the provider level, said provider component communicating with said CIMOM via another of said first plurality of standard interfaces;

- a database component for storing at least a user profile;

- a directory component for storing system resource information, wherein system resource information includes at least one user profile;

wherein said second standard interface exposed by said provider includes a command method for getting help strings; and

wherein said command method for getting help strings are exposed based on an expertise level contained in said user profile.

22. The computer-readable medium of claim 16, further comprising a directory component for storing system resource information.

23. The computer-readable medium of claim 16, wherein said second standard interface exposed by said provider component includes command methods for saving and restoring configuration data.

24. A computer-readable medium having computer-executable components, comprising:

a user interface component for providing information to and receiving data and commands from a user, wherein said user interface component comprises a Web browser component;

a common information model object manager (CIMOM) component for exposing a first plurality of standard interfaces, said CIMOM component communicating with said user interface through one of said first plurality of standard interfaces;

at least one provider component for exposing a second standard interface to allow management of enterprise system resources and tasks at the provider level, said provider



component communicating with said CIMOM via another of said first plurality of standard interfaces;

wherein said provider component dynamically localizes a language of said user interface component based on a sensed language preference of said Web browser.

25-29. (Canceled)

30. A computer-readable medium having a computer-executable management system provider component including computer-executable instructions for performing the steps of:

exposing a standard interface;

receiving information via the standard interface relating to management of at least one of an enterprise resource and a task;

performing syntax and semantic checks on the information;

wherein said computer-executable management system provider component further includes computer-executable instructions for performing the step of getting help strings;

wherein said computer-executable management system provider component further includes computer-executable instructions for performing the step of extracting user language preference information from an external component; and

wherein said step of getting help strings includes the step of dynamically localizing the help strings based on the user language preference information.

31. A computer-readable medium having a computer-executable management system provider component including computer-executable instructions for performing the steps of:

exposing a standard interface;

receiving information via the standard interface relating to management of at least one of an enterprise resource and a task;

performing syntax and semantic checks on the information;

wherein said computer-executable management system provider component further includes computer-executable instructions for performing the step of getting help strings;

wherein said computer-executable management system provider component further includes computer-executable instructions for performing the step of extracting user profile information from an external database; and

wherein said step of getting help strings is exposed based on the user profile.

32-36. (Canceled)

37. A method of exposing an element of an enterprise system to be managed, comprising the steps of:

defining at least one user interface component to expose and allow access to the element on a user interface;

implementing at least one provider for the element, said provider providing a class definition and generating instances of the class to which the element belongs, said provider further providing a standard interface to allow management of the element via the at least one user interface;

wherein said user interface component is a Web user interface, and wherein the step of defining at least one user interface component to expose and allow access to the element on a user interface comprises the steps of:

defining Web elements that add links to the managed elements in a Web UI framework; and

implementing ASP scripts that implement the at least one provider; and

wherein the step of implementing ASP scripts comprises the step of localizing a language of the ASP scripts based on a sensed language preference of said Web user interface.

38-47. (Canceled)

48. The model of claim 1, wherein said first plurality of standard interfaces exposed by said CIMOM are COM interfaces.

49. The computer-readable medium of claim 16, wherein said first plurality of standard interfaces exposed by said CIMOM are COM interfaces.

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50. (Canceled)

***Conclusion***

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Syed J Ali whose telephone number is (571) 272-3769. The examiner can normally be reached on Mon-Fri 8-5:30, 2nd Friday off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai T An can be reached on (571) 272-3756. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Syed Ali  
October 26, 2004



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SUPERVISORY PATENT EXAMINER  
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